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NEW BOOKS.

Introduction to the Elementary Functions. By RAYMOND BENEDICT MCCLENON; edited by WILLIAM JAMES RUSK. Boston: Ginn and Company. Pp. ix + 244. Price $1.80.

This book, for the use of freshmen in colleges and technical schools and of advanced pupils in secondary schools, presents a unified course, the advantages of which are claimed to be: (1) It avoids duplication. (2) It connects better with secondary-school matematics than does either solid geometry, college algebra, or trigonometry. (3) It gives a more adequate idea of mathematics in content and methods, because the fundamentally important idea of functionality is brought into the central position from the beginning. (4) It develops greater resourcefulness in the student, encouraging him to use methods already mastered.

The material includes the most important topics usually treated under trigonometry and elementary analytic geometry, with a simple introduction to the differential calculus. The method of presentation is inductive. Clearness of explanation and demonstration has been aimed at and brevity achieved by omitting those steps which the student himself can supply.